

CLAIMS

1. An electrode device having a recess, comprising:
a substrate film including a recess projecting upward,
5 an outward flange section surrounding the periphery of the
opening of the recess, and a lead section extending from the
outward flange section;
an electrode layer leading to the lead section from a
bottom and a sidewall of the recess through the outward flange
10 section on the substrate film; and
a deformed portion that is deformed so as to cause the
outward flange section of the substrate film to project or
hollow and formed so as to surround the recess on the outward
flange.
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2. The electrode device according to claim 1, wherein the
substrate film comprising a member obtained by laminating a
plastic film and a metal film, and it is possible to bend the
laminated member easily with a hand and to hold a bent state.
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3. The electrode device according to claim 1, wherein the
deformed portion projects upward to be a seal portion for a
cap member covering the recess.
- 25 4. The electrode device according to claim 3, wherein the
recess is a portion in which gel containing an electrolyte

is put, and the deformed portion projecting upward stops leakage of the gel when the gel is put in the recess.

5. The electrode device according to claim 1, wherein the
5 deformed portion is formed using molding of the recess.

6. The electrode device according to claim 1, wherein the deformed portion is continuously formed on the outward flange excluding a region where the electrode layer extends.